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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,835	08/09/2006	Serge Louis Boulet	X-16288	6937
25885 7590 07/20/2007 ELI LILLY & COMPANY PATENT DIVISION P.O. BOX 6288 INDIANAPOLIS, IN 46206-6288			EXAMINER LOEWE, SUN JAE Y	
			ART UNIT 1626	PAPER NUMBER
			NOTIFICATION DATE 07/20/2007	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@lilly.com

<b>Office Action Summary</b>	Application No. 10/597,835	Applicant(s) BOULET ET AL.	
	Examiner Sun Jae Y. Loewe	Art Unit 1626	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 09 August 2006.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-3,6-8,11,13,15,19,21,31 and 32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☒ Claim(s) 1-3,6-8,11,13,15,19,21,31 and 32 are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |  |
|---|--|
| <p>1) <input type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br/>Paper No(s)/Mail Date _____.</p> | <p>4) <input type="checkbox"/> Interview Summary (PTO-413)<br/>Paper No(s)/Mail Date. _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
|---|--|

Art Unit: 1626

### DETAILED ACTION

1. This is a national stage application of PCT/US05/05226. Claims 1-3, 6-8, 11, 13, 15, 19, 21 and 31-32 are pending in the instant application. Claims 4-5, 9-10, 12, 14, 16-18, 20 and 22-30 were cancelled by preliminary amendment filed on August 9, 2006.

### *Election/Restrictions*

2. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

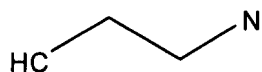
- I. Group I, claim(s) 1, 2, 6-8, 13, 19 and 21 drawn in part to products of Formula I wherein A=oxygen; X=alkyl; Y=naphthyl. Further election of a single species is required.
- II. Group II, claim(s) 1, 2, 6-8, 15, 19 and 21 drawn in part to products of Formula I wherein A=oxygen; X=alkyl; Y=phenyl. Further election of a single species is required.
- III. Group III, claim(s) 1, 2, 6-7, 11, 13, 19 and 21 drawn in part to products of Formula I wherein A=oxygen; X=cycloalkyl; Y=naphthyl. Further election of a single species is required.
- IV. Group IV, claim(s) 1, 2, 6-7, 11, 15, 19 and 21 drawn in part to products of Formula I wherein A=oxygen; X=cycloalkyl; Y=phenyl. Further election of a single species is required.
- V. Group V, claim(s) 1-21 drawn in part to products of Formula I not covered by Groups I-IV. Further election of a single species is required. Further restriction may apply.
- VI. Group VI, claim(s) 31-32 drawn in part to process of using products in Group I. Further election of a single species is required.

Art Unit: 1626

- VII. Group VII, claim(s) 31-32 drawn in part to process of using products in Group II. Further election of a single species is required.
- VIII. Group VIII, claim(s) 31-32 drawn in part to process of using products in Group III. Further election of a single species is required.
- IX. Group IX, claim(s) 31-32 drawn in part to process of using products in Group IV. Further election of a single species is required.
- X. Group XI, claim(s) 31-32 drawn in part to process of using products in Group V. Further election of a single species is required. Further restriction may apply.

3. The inventions listed as Groups I-X do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons.

The technical feature linking the subject matter of Groups I-X is the core structure shown below (Note: valences were intentionally left incomplete to indicate positions with variable substituents).



This core structure is taught in the prior art, for example, 3-amino-1-propanol (see below).

Art Unit: 1626

.1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
IN 156-87-6 REGISTRY  
ID Entered STN: 16 Nov 1984  
IN 1-Propanol, 3-amino- (CA INDEX NAME)  
OTHER NAMES:  
IN .beta.-Alaninol  
IN .gamma.-Aminopropanol  
IN .gamma.-Hydroxy-1-propylamine  
IN 1,3-Propanolamine  
IN 1-Amino-3-hydroxypropane  
IN 1-Amino-3-propanol  
IN 3-Amino-1-propanol  
IN 3-Aminopropanol  
IN 3-Aminopropyl alcohol  
IN 3-Hydroxy-1-aminopropane  
IN 3-Hydroxy-1-propylamine  
IN 3-Hydroxypropylamine  
IN 3-Propanolamine  
IN NSC 7766  
IN Propanolamine  
IF C3 H9 N O  
CI COM  
C STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCAIS, CHEMINFORMRX,  
CHEMLIST, CIN, CSCHEM, DETERM\*, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT,  
IFIUDB, IPA, MEDLINE, MSDS-OHS, PROMT, PS, RIECS\*, SPECINFO, SYNTHLINE,  
TOXCENTER, ULIDAT, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

H<sub>2</sub>N-CH<sub>2</sub>-CH<sub>2</sub>-CH<sub>2</sub>-OH

4. This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows: compounds covered by the generic definition of Formula I, obtained by varying the substituents R<sup>1</sup>, R<sup>2</sup>, A, X, Y.

Applicant is required, in reply to this action, to elect a single species within the elected group to which the claims shall be restricted if no generic claim is finally held to be allowable.

The reply must also identify the claims readable on the elected species, including any claims

subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

5. The claims are deemed to correspond to the species listed above in the following manner: claims 1-3, 6-8, 11, 13, 15, 21 and 31-32 are generic.

6. The species described within section 4 do not relate to a single general inventive concepts under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reason:

The Markush group defined by Formula I does not fulfill criteria (B)(1) or (B)(2) in MPEP § 1850.III.B., a requirement of PCT Rule 13.2 (see also section 3).

7. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species and invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention and species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

8. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sun Jae Y. Loewe whose telephone number is (571) 272-9074. The examiner can normally be reached on M-F 7:30-5:00 Est.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph McKane can be reached on (571)272-0699. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1626

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sun Jae Y. Loewe, Ph.D.  
Art Unit 1626



REBECCA ANDERSON  
PRIMARY EXAMINER